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Amendments To The Claims

Please cancel claim 19. Please amend claims 20-21, 23, and 25-31 as shown below.  
Please add claims 36-39. Below is a complete listing of all of the claims.

Claims 1-19. (Cancelled)

Claim 20. (Currently amended) The mandrel of claim 26 19 wherein said first portion of said metal layer is integral with said second portion of said metal layer.

Claim 21. (Currently Amended) The mandrel of claim 26 19 wherein said first portion and said second portion of said metal layer conform to the shape of said glass substrate.

Claim 22. (Previously Presented) The mandrel of claim 21 wherein said first portion and said second portion of said metal layer are directly adjacent to said glass substrate.

Claim 23. (Currently Amended) The mandrel of claim 26 19 wherein said dielectric layer conforms to the glass-formed raised features.

Claim 24. (Previously Presented) The mandrel of claim 21 wherein said dielectric layer is directly adjacent to said second portion of said metal layer.

Claim 25. (Currently Amended) The mandrel of claim 26 19 wherein said glass-formed raised features include pillars having top and side walls, and wherein said second portion of said metal layer covers said top and side walls of said pillars.

Claim 26. (Currently amended) A mandrel for forming an inkjet printhead nozzle plate, comprising: The mandrel of claim 19 wherein said glass-formed raised features include said pillars having a top and side walls, and where said dielectric layer covers said top and side walls of said pillars

a glass substrate having a top surface with a plurality of glass-formed raised features extending above said top surface and spaced apart from each other, said glass-formed raised features including pillars having a top and side walls;

a metal layer having a first portion formed above said top surface and a second portion formed above said raised features, with said first portion connected with said second portion; and

a dielectric layer formed above said second portion of said metal layer and covering said top and side walls of said pillars.

Claim 27. (Currently Amended) The mandrel of claim 26 19 wherein said dielectric layer comprises silicon carbide.

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Claim 28. (Currently Amended) The mandrel of claim 26 ~~19~~ wherein said dielectric layer has a thickness in the approximate range of 3500 to 4000 angstroms.

Claim 29. (Currently Amended) The mandrel of claim 26 ~~19~~ wherein said metal layer has a thickness in the approximate range of 0.5 to 1.0 microns.

Claim 30. (Currently Amended) The mandrel of claim 26 ~~19~~ wherein said ~~glass-formed raised features include pillars having a top, side walls, and include a base, with a base diameter greater than a top diameter.~~

Claim 31. (Currently amended) The mandrel of claim 26 ~~19~~ wherein said raised features correspond to a shape and position of respective nozzle features electroformed on said mandrel.

Claim 32. (Currently Amended) A mandrel for electroforming an inkjet printhead nozzle plate, comprising:

a glass substrate having a top surface with a plurality of glass-formed raised pillars extending above said top surface and spaced apart from each other, said pillars each having a top and side walls;

a metal layer having a first portion formed above said top surface and a second portion formed above said raised pillars features, with said first portion integral with said second portion; and

a dielectric layer formed above said second portion of said metal layer and covering said top and side walls of said raised pillars features.

Claim 33. (Previously Presented) The mandrel of claim 32 wherein said metal layer is adjacent to said glass substrate, and said dielectric layer is adjacent to said second portion of said metal layer.

Claim 34. (Currently Amended) The mandrel of claim 32 wherein said side walls of said raised pillars features are tapered from a smaller diameter top to a larger diameter base.

Claim 35. (Currently Amended) The mandrel of claim 32 wherein said raised pillars features correspond to a shape and position of respective nozzle features electroformed on said mandrel, and where said mandrel is re-useable.

Claim 36. (New) The mandrel of claim 32 wherein said dielectric layer comprises silicon carbide.

Claim 37. (New) The mandrel of claim 32 wherein said dielectric layer has a thickness in the approximate range of 3500 to 4000 angstroms.

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Claim 38. (New) The mandrel of claim 32 wherein said metal layer has a thickness in the approximate range of 0.5 to 1.0 microns.

Claim 39. (New) The mandrel of claim 31 wherein said raised features are tapered to correspond to a shape and position of respective nozzle features electroformed on said mandrel, said nozzle features have an exit bore nozzle diameter smaller than a base nozzle diameter.